

## OUTDOOR EQUIPMENT CABINETS



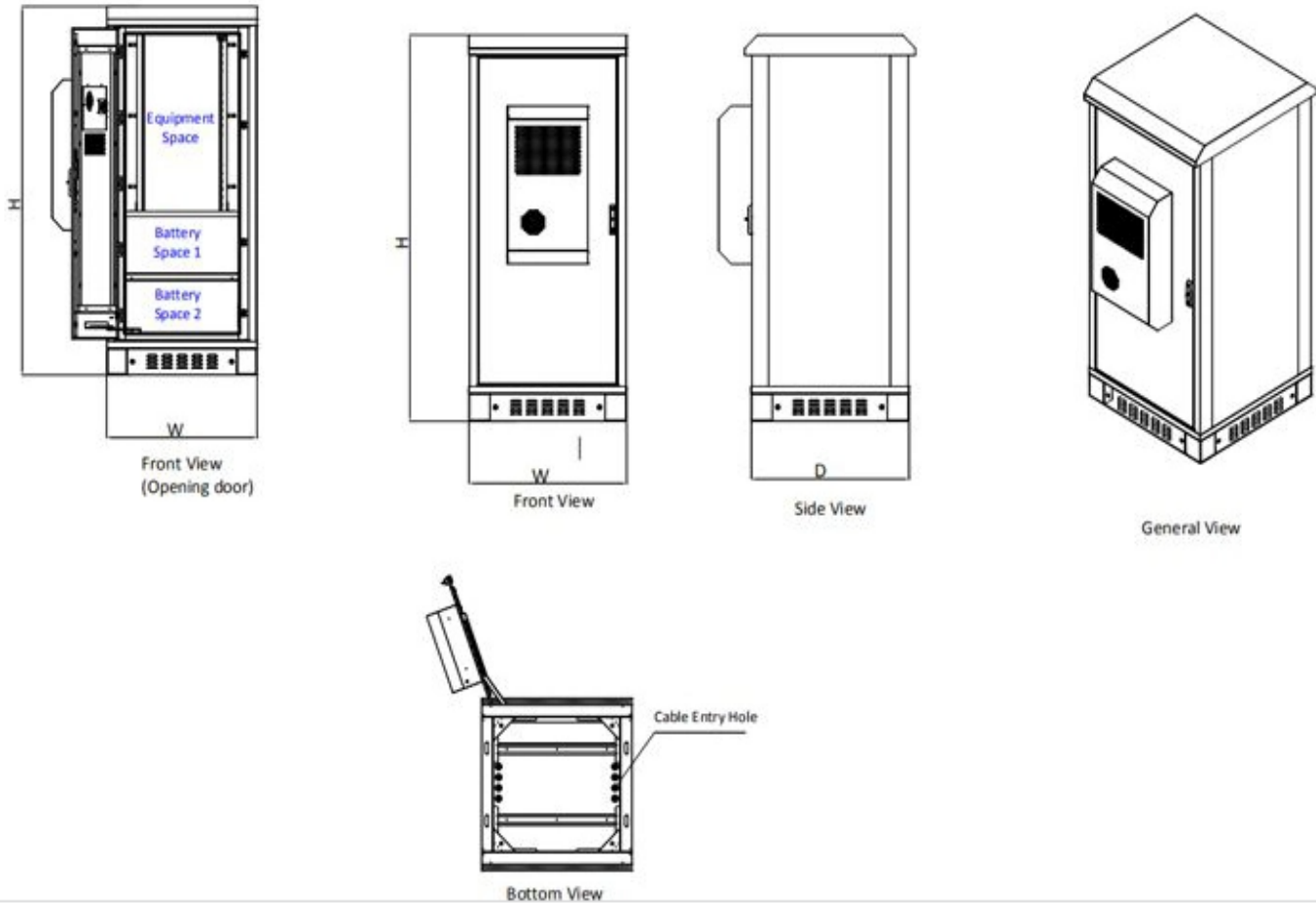
### Features

- The outdoor integrated cabinet is made of hot-dipped zinc plate with thickness greater than 1.5 mm, which is composed of outer box, inner metal parts and accessories.
- The interior of the cabinet is divided into equipment cabin and battery cabin according to function. The box body structure is compact, the installation is simple, the sealing performance is excellent.
- The equipment storehouse is distributed in the right side of the cabinet, and the storage battery store house uses the clapboard to separate, is convenient for equipment space heat insulation
- Battery storage: for the installation of storage batteries the external board of the cabinet is pasted with insulation cotton to achieve the effect of insulation. The battery cabinet is also equipped with a sunshade to achieve the effect of sunscreen and waterproof. The cabinet body is provided with an exhaust device, which can release harmful gas produced by the storage battery.
- Door lock: Cabinet door adopts built-in structure, door gap is compact. the door opening angle is > 110°, the cabinet door contains the limited position structure, the limited position device has the limited position function when the door is in the open position. The door lock adopts the three-point structure of Tie Rod and Lock Plate, and can be additionally padlock Strong structure, strong anti-theft. Each cabinet door is equipped with a door opening alarm sensor for environmental monitoring.

### Features

- The box body has the characteristics of dustproof, sunproof, rainproof and so on, which can adapt to the outdoor environment in all directions
- Ventilation and heat dissipation (heat exchanger can also be used as heat dissipation equipment) are used in the equipment Bin, MTBF >50000h
- Semiconductor cooling is used in the storage battery cabinet( optional)
- Standard AC Power Distribution Unit
- Each cabinet is equipped with DC48V lighting(optional)
- Cabinet has power and environmental monitoring functions, can realize power off, power failure, access control, temperature, humidity, smoke, water immersion, battery Voltage and other warning and upload(optional)
- Cabinet layout is reasonable, cable introduction, fixed and grounding operation and easy maintenance. The power cord, Signal Cord and optical cable have independent holes, won't interfere with each other.
- The cables used in the cabinet are made of flame-retardant materials.

## OUTDOOR EQUIPMENT CABINETS



### Note:

1. Air conditioner will be mounted on the front door.
2. Mounting hardware included.
3. Cooling Options will be shown based on customers request.

- Two pairs of mounting rails, fully adjustable from front to back
- Sandwich , unitized construction for durability
- Wind stays located on front access door
- 3- Points Locking Door System;
- High protection category of up to IP 65
- An extensive range of system accessories.

## OUTDOOR EQUIPMENT CABINETS

### Specification

Name	Specification
Storage temperature	-40°C-70°C
Working temperature	-40°C+55°C
Storage humidity	≤95%
Relative humidity	50%-100%
Altitude	4000
Heat coefficient	≤0.3W/(㎡.K)
Materials	PEF
Protection	IP55
Lightning protection	B
Heat dissipation	Air conditioner,exchanger,fan



### Specification

Model	ODC-27148080	ODC-33188080	ODC -42211080	OAH-27148080	OAH-33188080	OAH-42211080
Voltage	DC48V	DC48V	DC48V	AC220V/50Hz	AC220V/50Hz	AC220V/50Hz
Size(H*W*D)mm	1400*800*800	1800*800*800	2100*1000*800	1400*800*800	1800*800*800	2100*1000*800
Cooling method	DC fan	DC fan	DC fan	AC exchanger	AC exchanger	AC exchanger
Cooling capacity				800W	1000W	1500W
Exchanger	FAN300CFM	FAN600CFM	FAN1000CFM	300W	600W	1000W
Size	27U、19 INCH	33U、19 INCH	42U、19 INCH	27U、19 INCH	33U、19 INCH	42U、19 INCH
Temperature	-20°C~55°C	-20°C~55°C	-20°C~55°C	-20° C~55° C	-20°C~55°C	-20°C~55°C
Protection	IP55	IP55	IP55	IP55	IP55	IP55
Noise	50dB	53dB	55dB	50dB	53dB	55dB
Monitor(optional)	1U Moving Monitoring, can be configured with smoke, flooding, access control, power failure, impact warning. (This features is not included in standard outdoor cabinet order-Optional Features upon Special order)					
Remark	Can be customized per users'requirements					

\* Cooling capacity and Exchanger rating can be customizable upon specific requirement of end user.

\* Standard Outdoor cabinet is not equipped with Enviornmental monitoring system. EVMS devices considered upon special order.

## OUTDOOR EQUIPMENT CABINETS

**Accessory List (optional – Below accessories not included in standard outdoor cabinet. Require special order to consider along with outdoor cabinet)**

No.	Item	Specifications
1	Fan	AC110/220V or DC 48V
2	Power Supply	AC INPUT: 32A/1P MCB or 63A/2P MCB DC OUTPUT: 16A/1P MCB
3	Environment Monitoring Unit	48VDC Communication port: RS485, TCP/IP, SNMP optional
4	Door Sensor	Monitor door open status inside cabinet and provide real time alarm.
5	Water Sensor	Monitor water status inside cabinet and provide real time alarm.
6	Tilt & Shock Sensor	Monitor shock status inside cabinet and provide real time alarm.
7	Temperature & Humidity Sensor	Monitor temperature and humidity inside cabinet and provide real time alarm.
8	Smoke Sensor	Monitor smoke status inside cabinet and provide real time alarm.

### ORDERING INFORMATION

Part No	Description
ODC-27148080	Alston system 27U outdoor Integrated equipment Cabinet with single door along Air Conditioner with DC fan Exchanger Mounted on the Front Door, IP55 Rated –Grey
ODC-33188080	Alston system 33U outdoor Integrated equipment Cabinet with single door along Air Conditioner with DC fan Exchanger Mounted on the Front Door, IP55 Rated –Grey
ODC-42211080	Alston system 42U outdoor Integrated equipment Cabinet with single door along Air Conditioner with DC fan Exchanger Mounted on the Front Door, IP55 Rated –Grey
OAH-27148080	Alston system 27U outdoor Integrated equipment Cabinet with single door along Air Conditioner with AC exchanger Mounted on the Front Door, IP55 Rated –Grey
OAH-33188080	Alston system 33U outdoor Integrated equipment Cabinet with single door along Air Conditioner AC exchanger Mounted on the Front Door, IP55 Rated –Grey
OAH-42211080	Alston system 42U outdoor Integrated equipment Cabinet with single door along Air Conditioner AC exchanger Mounted on the Front Door, IP55 Rated –Grey

Note : Air Conditioner - Cooling Capacity from 300w to 1500w. Customizable upon request.

Heat Exchanger - Heat transfer from 80w/k to 1000w/k. customizable upon request.